

189862  
56-47  
NBS. JUNE  
P. 17  
**N 8 9 - 2 8 1 2 4**

**NASA FOLLOW-ON ON THE FIJI SOUTH PACIFIC SEVERE STORM  
WARNING SYSTEM PROJECT (SPSSD/WS)**

BY

C. Vermillion, H. Maurer, M. Williams, J. Kamowski,  
T. Moore (670.1), W. Maksimovich (271.1), A. Hasler (612.0)

In December 1987, a Follow-on Participating Agency Service Agreement (PASA) was signed directly with the U.S. Agency for International Development (U.S. AID). This Follow-on will implement needed systems enhancements of the satellite ground station installed under the previous SPSSD/WS project. These enhancements include the purchase and installation of an Uninterruptible Power Supply (UPS) and lightning protection unit, hardware modifications to provide system redundancy and increased data storage capacity, software modifications for the new Japanese GMS digital data, upgrades of the image processing software, and both hardware maintenance and tropical cyclone analysis training, and a non-renewable grant to provide emergency field repairs and replacement/spare parts.

In March 1988, the UPS and lightning protection unit was installed at the Fiji Meteorological Service by NASA personnel. A tape recorder and demodulator has been shipped to Fiji to record the new digital GMS data. Data tapes are not yet available from the Japanese Meteorological Service of the new digital format. This data is required to test the GMS digital software being developed for the Fiji SPSSD/WS facility.

Installation the remaining equipment upgrades, GMS digital software, image processing upgrades and maintenance training are scheduled for July 1988.

The tropical cyclone training and Fiji Grant will be implemented in FY89 pending provision of remaining funds from U.S. AID.

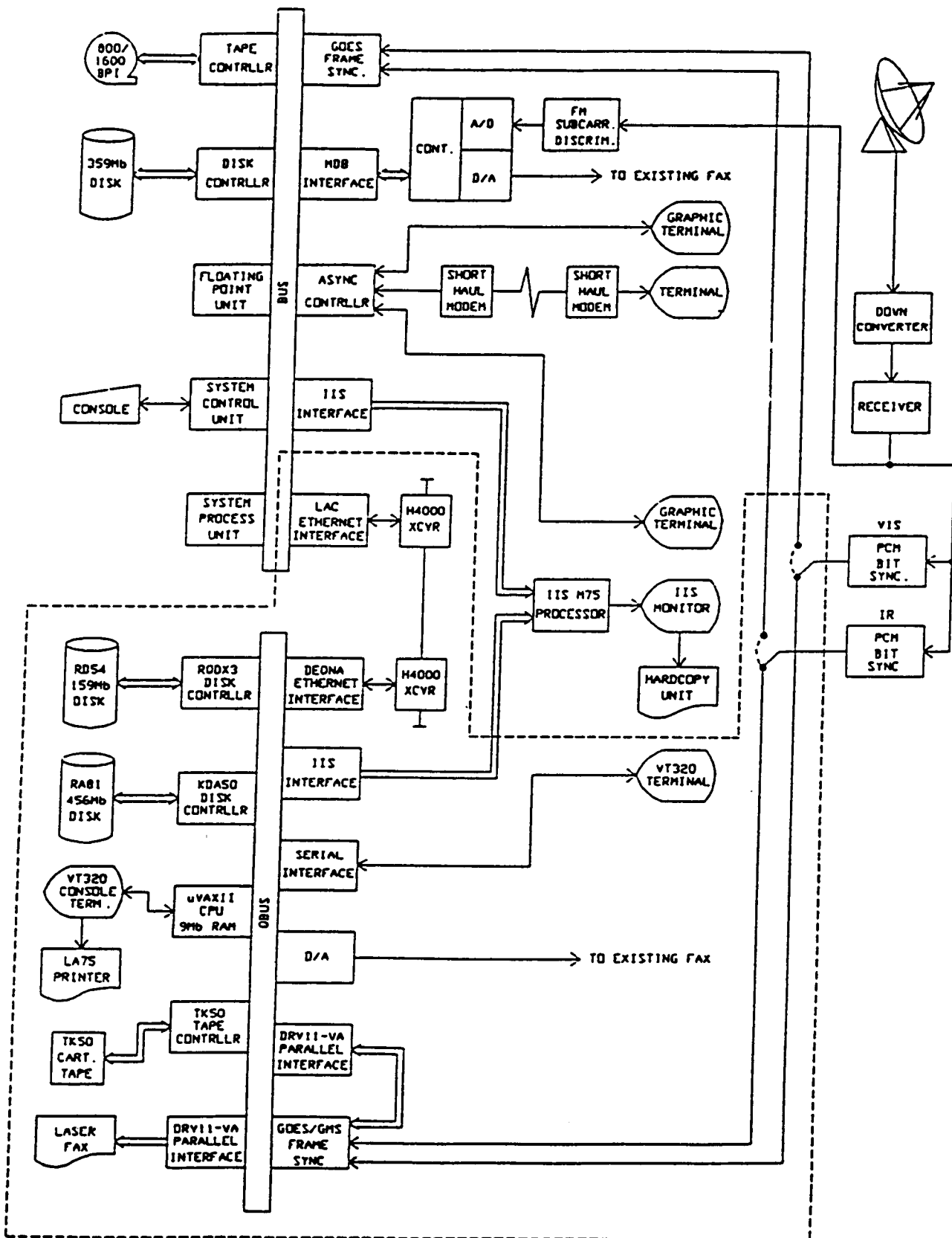


Figure 1. SPSSDWS and Enhancement Project Systems Configuration - Preliminary Design